

Ripped
from the
ROUNDUP

Ripped straight from the pages of
old Space News Roundups, here's
what happened at JSC on this date:

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The red carpet they rolled out over in Bldg. 4 is one way the Apollo 13 crew was welcomed back to MSC. The crowds at Ellington were another way; and the eyes on the TV sets all over the center at 12:07:44 CST on Friday, April 17.

Quite a celebration welcomed the three astronauts when they returned to their offices at MSC: their offices were decorated with party trimmings, the red carpet had been brought out, telegrams and good wishes papered the walls. One telegram, from the people of Halifax, Nova Scotia, ran 10' long!

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An early concept of a flexible tunnel designed for Spacelab flights on space shuttle missions in the 1980s is being tested at the Marshall Space Flight Center, Huntsville, Alabama.

A tunnel will connect the Space Shuttle Orbiter's airlock with the forward end of the Spacelab to provide a pressurized passageway for crewmembers and scientists.

Using a pressurized tunnel, personnel can move to and from the orbiting space laboratory without having to don pressurized space suits. The present plan is to use a rigid tunnel with flex sections.

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After a stopover at Ellington Field last week, the new orbiter *Atlantis* is scheduled to begin pre-launch processing at the Kennedy Space Center for her maiden flight later this year.

Officially designated OV-104, *Atlantis* completes the currently authorized fleet of space shuttle orbiters. It is essentially a twin of *Discovery*, the third spaceship in the fleet. This ship is named after a two-masted ketch which was operated for the Woods Hole Oceanographic Institute from 1930 to 1966.

Following its receiving inspection and post-ferry flight activities, *Atlantis* will begin processing for its maiden flight, a dedicated Department of Defense mission targeted for late September.



United Space Alliance elected to space research industry forum

United Space Alliance has been elected as a member of the National Space Biomedical Research Institute's Industry Forum.

As an Industry Forum member, United Space Alliance will help transfer NSBRI biomedical technology and research advances to the general public.

United Space Alliance, headquartered in Houston, is a Boeing/Lockheed Martin joint venture formed to conduct the Space Flight Operations Contract for NASA. USA is responsible for the day-to-day operations of the Space Shuttle Program, including ground processing, launch and landing operations at the Kennedy Space Center in Florida and flight crew equipment, flight software integration and flight operations for the Johnson Space Center in Houston.

"NSBRI welcomes the participation of United Space Alliance," said Dr. Joseph Kerwin, NSBRI Industry Forum chairman. "We are pleased to gain access to USA's expertise in understanding the direct impact of long-term space flight on the space operations community."

The NSBRI, established in April 1997 following competitive selection by NASA, is a consortium of 12 institutions leading a national effort to carry out the research necessary to assure safe human exploration of space. The Institute's research into the health risks associated with long-duration space travel is designed to impact similar conditions found on Earth. A few of these similarities include bone loss, muscle wasting, shift-related sleep disorders and balance problems.

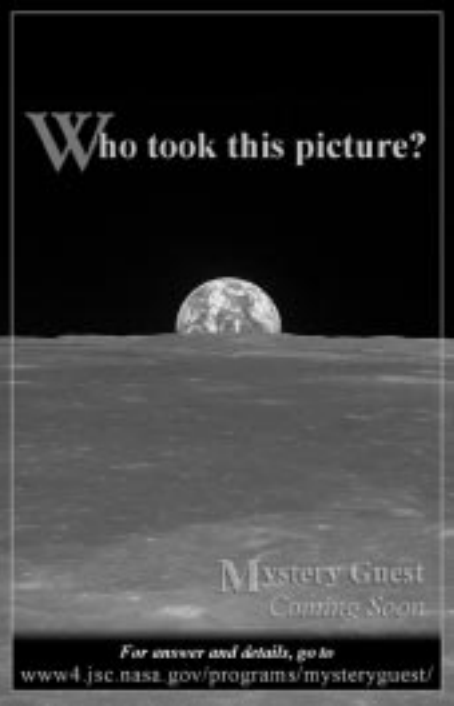
James F. Buchli, USA's International Space Station Program manager, will be the company's Industry Forum representative.

"NSBRI conducts health-related research which will be critical to mission success, including the safety and health of the crew on the International Space Station. We look forward to working with NSBRI to investigate potential applications of this research to improve upon USA's proven record of outstanding safety, reliability and performance in support of NASA's human space flight programs," Buchli said.

In addition to USA, NSBRI Industry Forum members include The Boeing Company, Draper Laboratories, InDyne, Inc., Lockheed Martin Astronautics, MBI International, Payload Systems, Inc., SGI (formerly Silicon Graphics, Inc.), Southwestern Bell, Veridian and Wyle Laboratories.

The NSBRI's consortium members are Baylor College of Medicine, which serves as the lead institution, Brookhaven National Laboratory, Harvard Medical

School, The Johns Hopkins University, Massachusetts Institute of Technology, Morehouse School of Medicine, Mount Sinai School of Medicine, Rice University, Texas A&M University, University of Arkansas for Medical Sciences, University of Pennsylvania Health System, and University of Washington. ■



GILRUTH CENTER NEWS

Sign up policy:

All classes and athletic activities are on a first-come, first-served basis. Sign up in person at the Gilruth Center and show a yellow Gilruth or weight room badge. Classes tend to fill up two weeks in advance. Payment must be made in full, cash or by check, at the time of registration. No registration will be taken by telephone. For more information, call x33345.

Gilruth badges:

Required for use of the Gilruth Center. Employees, spouses, eligible dependents, NASA retirees and spouses may apply for photo identification badges from 7:30 a.m.-9 p.m. Monday-Friday and 9 a.m.-2 p.m. Saturdays. Cost is \$10. Dependents must be between 16 and 23 years old.

Open from 6:30 a.m.-10 p.m. Monday-Thursday, 6:30 a.m.-9 p.m. Friday, and 9 a.m.-2 p.m. Saturday. Contact the Gilruth Center at (281) 483-3345. <http://www4.jsc.nasa.gov/ah/exceaa/Gilruth/Gilruth.htm>

Nutrition intervention program: Six-week program includes lectures, a private consultation with the dietitian and blood analysis to chart your progress. Program is open to all employees, contractors and spouses. For details call Tammie Shaw at x32980.

Defensive driving: One-day course is offered once a month at the Gilruth Center. Pre-registration required. Cost is \$25. Call for next available class.

Stamp club: Meets every second and fourth Monday at 7 p.m. in Rm. 216.

Weight safety: Required course for employees wishing to use the Gilruth weight room. Pre-registration is required. Cost is \$5. Annual weight room use fee is \$90. The cost for additional family members is \$50.

Exercise: Low-impact class meets from 5:15-6:15 p.m. Mondays and Wednesdays. Cost is \$24 for eight weeks.

Step/bench aerobics: Low-impact cardiovascular workout. Classes meet from 5:15-6:15 p.m. Tuesdays and Thursdays. Cost is \$32 for eight weeks. Kristen Taraszewski, instructor.

Yoga: Stretching class of low-impact exercises designed for people of all ages and abilities in a Westernized format. Meets Thursdays 5-6 p.m. Cost is \$32 for eight weeks. Call Darrell Matula, instructor, at x38520 for more information.

Ballroom dancing: Classes meet Thursdays from 6:30-7:30 p.m. for beginner, 8:30-9:30 p.m. for intermediate and 7:30-8:30 p.m. for advanced. Cost is \$60 per couple.

Country and western dancing: Beginner class meets 7-8:30 p.m. Monday. Advanced class (must know basic steps to all dances) meets 8:30-10 p.m. Monday. Cost is \$20 per couple.

Fitness program: Health-related fitness program includes a medical screening examination and a 12-week individually prescribed exercise program. For details call Larry Wier at x30301.

Aikido: Martial arts class for men and women meets 5-6 p.m. Tuesdays and Wednesdays. No special equipment or knowledge is needed to participate. Aikido teaches balance and control to defend against an opponent without using strength or force. Beginning and advanced classes start each month. Cost is \$35 per month.

TICKET WINDOW

The following discount tickets are available at the Exchange Stores

General Cinema Theaters	.....	\$5.50	
Sony Loew's Theaters	.....	\$5.50	
AMC Theaters	.....	\$5.00	
Fiesta Texasadult\$20.50. . .child (under 48 inches) ..	\$17.25	
Astroworld Early Bird (use by June 18)	.....	\$17.25	
Astroworld1 day\$21.002 day ..	\$31.00
WaterWorld	.....	\$12.00	
Moody Gardens (2 events) (does not include Aquarium Pyramid)	.....	\$10.75	
Moody Gardens (Aquarium only)	.....	\$9.25	
Sea Worldadult\$29.00child (3-11 years) ..	\$19.25
Space Center Houstonadult\$11.00child (age 4-11) ..	\$7.25
(JSC civil service employees free.)				
Space Center Houston annual pass	.....	\$18.75	
Splash Town1 day\$13.00	Season Pass ..	\$37.50
Postage Stamps (book of 20)	.....	\$6.60	

Exchange Store hours

Monday-Friday
Bldg. 3 7 a.m.-4 p.m.
Bldg. 11 9 a.m.-3 p.m.

➤ All tickets are nonrefundable.

➤ Metro tokens and value cards are available.

For additional information,
please call x35350.

Please bring your driver's
license to pay by personal check.